State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-351 Relating to Certification of New Motor Vehicles

CHRYSLER CORPORATION

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That 1997 model-year Chrysler Corporation exhaust emission control systems are certified as described below for light-duty trucks:

Fuel Type: Gasoline

Engine Family: VCR14828G1EK <u>Displacement</u>: 2.4 Liters (148 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Heated Oxygen Sensors (two)
Three Way Catalytic Converter
Sequential Multiport Fuel Injection

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The certification exhaust emission standards for this engine family in grams per mile are:

Loaded Vehicle Weight(lbs.)	Miles	Non-Methane <u>Hydrocarbons</u>	Carbon <u>Monoxide</u>	Nitrogen Oxides	Carbon <u>Monoxide (20⁰F)</u>
3751-5750	50,000	0.32	4.4	0.7	12.5
	100,000	0.40	5.5	0.97	n/a

The certification exhaust emission values for this engine family in grams per mile are:

Loaded Vehicle	Miles	Non-Methane	Carbon	Nitrogen	Carbon
Weight(lbs.)		<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>	<u>Monoxide (20°F)</u>
3751-5750	50,000	0.14	2.5	0.4	9.3
	10 0,000	0.19	3.6	0.57	n/a

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the aforementioned exhaust emission standards based on its submitted plan to comply with the fleet average non-methane organic gas (NMOG) exhaust mass emission requirements as set forth in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles."

BE IT FURTHER RESOLVED: That under the submitted NMOG fleet average compliance plan, if the manufacturer incurs a NMOG debit for the aforementioned model year based on the projected NMOG fleet average exceeding the value required by the above-referenced standards and test procedures, all incurred NMOG debits by the manufacturer shall be equalized as required by the standards and test procedures.

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the running loss and useful life standards applicable to 1995 and subsequent model-year vehicles in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles," and the listed vehicle models comply with those standards.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" for the aforementioned model year (Title 13, California Code of Regulations, Section 2235).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high-altitude requirements and highway emission standards, and with the California Inspection and Maintenance emission standards in place at the time of certification, as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles."

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Emission Control Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines" (Title 13, California Code of Regulations, Section 1968.1) for the aforementioned model year.

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this ______ day of July 1996.

AR. B. Summerfield

Assistant Division Chief

Mobile Source Division

Replan Surnavitz

, 1997 MODEI PASSENGEI	L YEAR AIR RESOU R CARS, LIGHT-DU	RCES BOARD S TY TRUCKS AN	UPPLEMENT D MEDIUM-	AL DATA	N SHEET HICLES	Pa	ge <u>l</u> of <u>l</u>			
Manufacturer: <u>Chrysler Corporation</u> Exh Eng Fam: <u>VCR14828G1EK</u> Evap Fam: <u>VCR1098AYPIA</u>										
^11 Eng Codes in Eng Fam: CA X 49S 50S AB965										
.h Std: CA Tie	er-1 <u>X</u> TLEV_	LEV	ULEV_	Z	ΈV; U	S EPA Tier-	1X			
Std: 5UK_	Useful Life	e with R/L <u>X</u>	In-U	se Exh	Std: Full I	n Use <u>X</u> Al	t In Use			
Veh Class(es):	PC LDT1	LDT2 <u>_X</u>	MDV1	MDV2	MDV3_	MDV4	MDV5			
Single Cert Sto	for Multi-Class	s Eng Fam: _	<u>N/A</u> (Spe	ecify:	N/A, LDT1, i	MDV1. MDV2,	MDV3, MDV4)			
ruei Type(s): L	Dedicated X Flo	ex-FueII	Dual-Fuel.	B1	-Leve1(Gasoline <u>X</u>	_ Diesel			
Emic Toot Fuel	CNGLNG	LPU r	10C	Utner	(specity)	2 æ. \	· · · · · · · · · · · · · · · · · · ·			
ciii s jest i ueit	(s): Indo Ph2									
Service Accum:	Std AMA	CCR 2282								
NMOG Test Proce	edure: N/A <u>X</u> S	MUU AMA <u>∧</u> Std Faut	//// / tv	D/I To	Utileti i c+ Proces St	(Specity)	Caunaa V			
	B C, AF									
	ration: <u>I-4</u> Dis									
Valves per Cylinder: 2 Rated HP: 150 @ 5200 RPM Engine: Front X Mid Rear Drive: FWD X RWD 4WD-FT 4WD-PT										
LINGTING, ITOMIL	x miu kea	ır	Orive: 6	-W() X	RWD 4	1WN_FT	AND-PT			
						4WD-FT	4WD-PT			
	EGR. MFI. TC.	CAC): TWC.	SFI. HO2	2S(2). (4WD-PT			
Exhaust ECS (eg	EGR, MFI, TC.	CAC): TWC. (us	. SFI. HO2 se abbrevi	2S(2). (iations	OBD II per SAE J19 I	930 SEP91)	4WD-PT			
Engine Code	., EGR, MFI, TC.	CAC): TWC. (us	SFI. HO2 se abbrevi ETW	2S(2) (iations	OBD II per SAE J19 Ignition	930 SEP91) EGR	Catalyst			
Exhaust ECS (eg	EGR, MFI, TC.	CAC): TWC. (us	. SFI. HO2 se abbrevi	2S(2). (iations	OBD II per SAE J19 I	930 SEP91)				
Engine Code (also list ^A/49ST/50ST) CA-100	Vehicle Models (if coded see attachment) NSHH53	CAC): TWC. (us Trans. Type M5	SFI. HO2 se abbrevi eTW or	DPA or RLHP	OBD II per SAE J19 Ignition (ECM/PCM)	930 SEP91) EGR System	Catalyst Converter			
Engine Code (also list ^A/49ST/50ST)	Vehicle Models (if coded see attachment)	CAC): TWC. (us Trans. Type M5 A4	SFI. HO2 Se abbrevi ETW or Test Wt.	DPA or RLHP	DBD II per SAE J19 Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalyst Converter Part No.			
Engine Code (also list ^A/49ST/50ST) CA-100	Vehicle Models (if coded see attachment) NSHH53 NSKH53	CAC): TWC. (us Trans. Type M5 A4	SFI. HO2 Se abbrevi ETW or Test Wt.	DPA or RLHP	DBD II per SAE J19 Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalyst Converter Part No. 04682995			
Engine Code (also list ^A/49ST/50ST) CA-100	Vehicle Models (if coded see attachment) NSHH53 NSKH53	CAC): TWC. (us Trans. Type M5 A4	SFI. HO2 Se abbrevi ETW or Test Wt.	DPA or RLHP	DBD II per SAE J19 Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalyst Converter Part No. 04682995			
Engine Code (also list ^A/49ST/50ST) CA-100 (CA)	Vehicle Models (if coded see attachment) NSHH53 NSKH53 NSKH52 NSKH52 NSHL53	CAC): TWC. (us Trans. Type M5 A4	SFI. HO2 Se abbrevi ETW or Test Wt.	DPA or RLHP S E E	DBD II per SAE J19 Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalyst Converter Part No. 04682995			
Engine Code (also list ^A/49ST/50ST) CA-100 (CA)	Vehicle Models (if coded see attachment) NSHH53 NSKH53 NSKH52 NSKH52 NSKH52 NSKL53	CAC): TWC. (us Trans. Type M5 A4	SFI. HO2 Se abbrevi ETW or Test Wt. 4250	DPA or RLHP S E E	DBD II per SAE J19 Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalyst Converter Part No. 04682995			
Engine Code (also list ^A/49ST/50ST) CA-100 (CA)	Vehicle Models (if coded see attachment) NSHH53 NSKH53 NSKH52 NSKH52 NSKH52 NSKL53 NSHL53 NSKL53	CAC): TWC. (us Trans. Type M5 A4	SFI. HO2 Se abbrevi ETW or Test Wt. 4250	DPA or RLHP S E E A T T A	DBD II per SAE J19 Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalyst Converter Part No. 04682995			
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Engine Code (also list ^A/49ST/50ST) CA-100 (CA)	Vehicle Models (if coded see attachment) NSHH53 NSKH53 NSKH52 NSKH52 NSKH52 NSKL53 NSHL53 NSKL53	CAC): TWC. (us Trans. Type M5 A4	SFI. HO2 Se abbrevi ETW or Test Wt. 4250	DPA or RLHP S E E A T T A C H M E	DBD II per SAE J19 Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalyst Converter Part No. 04682995			
Engine Code (also list ^A/49ST/50ST) CA-100 (CA)	Vehicle Models (if coded see attachment) NSHH53 NSKH53 NSKH52 NSKH52 NSKH52 NSKL53 NSHL53 NSKL53	CAC): TWC. (us Trans. Type M5 A4	SFI. HO2 Se abbrevi ETW or Test Wt. 4250	DPA or RLHP S E E A T T A C H	DBD II per SAE J19 Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalyst Converter Part No. 04682995			

Date Issued: 6-7-96

Revisions:		

Vehicle MFR: CHRYSLER

Engine Family: VCR14828G1EK Evaporative Fam: VCR1098AYP1A

Cortificate #:

odel 1D	Car Line	California
		•
SKL52		YES
SKH52	Caravan SE 2WD	, Y
SKL53	Iravan LE	м М
SKH53	Grand Caravan SE 2WD	X E
SHL53	2 20	Y S
знн53	Grand Voyager SE 2WD	YES
SHL52	Voyager 2WD	ter
SHH52	Voyager SE 2WD	YES

		D=Bodge AWD P=Plymouth AWD C=Chrysler AWD	
Body Style 12=113" wb 13=118" wb 52=113" wb 53=119" wb	Price Class H=High Line P=Premium L=Low Line	Model K≖Dodge HæPlymouth Y∝Chrysler	Body Code NS≈Winivan
S C C C C C C C C C C C C C C C C C C C	:		

ADJUSTED LOADED VEHICLE WGT

LOADED VEHICLE WEIGHT

/ 10. - TA02 - 400 /

Report Date: 08/07/96 Time: 08:05:16

COAST TIRE	무	4							
;	ALVW								
COLD CO ELECTRIC DYNO COEFFICIENTS TARGET A B C SET A B C (LINE 1 13 20 DEG COEFE 1 145 2 2 2	TO DEG WHEN NEEDED)								
TIRE PRES F R	35.35	35 35	35 35	35 35 35 35	88 88 8 8 88 88 88	35 35	38.8	35 35 35 35 35 35	35 35 35 35
*DYNO HP	=======================================	8.9	8.9	8.8	8.9	9.5	8.8	9.9 8.8 10.3	10.1 8.9
COAST DOWN TIME	16.56	16.64	16.64	16.56 16.66	17.44 17.54	18.64	16.64	16.56 16.66 16.78	17.44 17.54
TIRE DE: USE YR (STD 97 TMR	OPT 97 TMR STD 97 TMR	OPT 97 TMR STD 97 TLP	OPT 97 TMR TZA OPT 97 TMR TZH STD 97 TLP TZA	OPT 87 TMR TZA OPT 97 TMR TZH STD 97 TMR TZA	37 TMR TZH 37 TMR TZA	37 TMR T2H 37 TLP T2A	OPT 97 TMR TZA OPT 97 TMR TZH STD 97 TLP TZA	7 THR TZH
MKT GVW TYPE LVW		4250	4000	4250	4250	4250	4000	4250	
DVW TY	ပ	ပ	O	ပ	ပ	ပ	O	ပ	
TRANS C CYN	0 . ₩.	0 X M	0 . ₩	0	FWYO	0 	0 J. I	7 Y	
	DOL FW Y	DGL F	900 F	00C F	EDZ DGL FI	Dal. F	DGC FI	DGC F1	
	NSHH52 EDZ	NSHH53 EDZ DGL FW Y O	NSHL52 EDZ DGC FW Y O	NSHL53 EDZ DGC FW Y D	12 EDZ	NSKH53 EDZ DGL FW Y O	NSKL52 EDZ DGC FW·Y	NSKL53 EDZ DGC FW Y D	
MODEL	NSHH	NSHH	NSHL	NSHL!	NSKH52	NSKH5	NSKT 2	NSKLS	

* · For DYNO HP = 0.00 Ref To FRONTAL AREA